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What is claimed is:

1. An absorbent composite comprising at least one particle of a superabsorbent material covered with a coating of hydrophilic and silicate particles, the absorbent composite having a Free Swell Gel Bed Permeability of at least $40 \times 10^{-8} \text{ cm}^2$.
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2. The absorbent composite of claim 1, wherein the absorbent composite has a Centrifuge Retention Capacity of no less than 20 g/g.
- 10 3. The absorbent composite of claim 2, wherein the absorbent composite has a Free Swell Gel Bed Permeability of at least $60 \times 10^{-8} \text{ cm}^2$.
4. The absorbent composite of claim 2, wherein the absorbent composite has a Free Swell Gel Bed Permeability of at least $75 \times 10^{-8} \text{ cm}^2$.
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5. The absorbent composite of claim 2, wherein the superabsorbent material is no less than 65 percent by weight of the absorbent composite.
6. The absorbent composite of claim 5, wherein the hydrophilic and silicate particles are no more than 35 percent by weight of the absorbent composite.
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7. The absorbent composite of claim 6, wherein the hydrophilic particles are fibers.
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8. The absorbent composite of claim 7, wherein the hydrophilic particles are particles of a cellulosic material.
9. The absorbent composite of claim 7, wherein the hydrophilic particles have a length of no less than 50 microns; and wherein the hydrophilic particles have a length of no more than 900 microns.
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10. The absorbent composite of claim 7, wherein the hydrophilic particles have a length of no less than 100 microns; and wherein the hydrophilic particles have a length of no more than 300 microns.

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11. The absorbent composite of claim 10, wherein at least a portion of at least one of the hydrophilic particles extends outwardly from the surface of the absorbent composite.

5 12. The absorbent composite of claim 10, wherein the hydrophilic particles are particles of a cellulosic material.

10 13. The absorbent composite of claim 12, wherein the hydrophilic particles have a diameter of no less than 30 microns; and wherein the hydrophilic particles have a diameter of no more than 50 microns.

14. The absorbent composite of claim 6, wherein the hydrophilic particles have a diameter of no less than 5 microns; and wherein the hydrophilic particles have a diameter of no more than 75 microns.

15 15. The absorbent composite of claim A7, wherein the hydrophilic particles have a diameter of no less than 30 microns; and wherein the hydrophilic particles have a diameter of no more than 50 microns.

20 16. The absorbent composite of claim 15, wherein the hydrophilic particles are particles of a cellulosic material.

25 17. The absorbent composite of claim 6, wherein the silicate particles are selected from the group consisting of precipitated silica, fumed silica, silicon dioxide, zeolites, clays, vermiculite, perlite and mixtures thereof.

18. The absorbent composite of claim 17, wherein the silicate particles have a diameter of no less than 100 microns; and wherein the silicate particles have a diameter of no more than 600 microns.

30 19. The absorbent composite of claim 17, wherein the silicate particles have a diameter of no less than 150 microns; and wherein the silicate particles have a diameter of no more than 450 microns.

35 20. An absorbent composite comprising at least one particle of a superabsorbent material covered with a coating of hydrophilic and silicate particles, the absorbent composite having a Gel Bed Permeability Under Load of at least $20 \times 10^{-8} \text{ cm}^2$.

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21. The absorbent composite of claim 20, wherein the absorbent composite has a Centrifuge Retention Capacity of no less than 20 g/g.

5 22. The absorbent composite of claim 21, wherein the absorbent composite has a Gel Bed Permeability Under Load of at least 25×10^{-8} cm².

23. The absorbent composite of claim 21, wherein the superabsorbent material is no less than 65 percent by weight of the absorbent composite.

10 24. The absorbent composite of claim 23, wherein the hydrophilic and silicate particles are no more than 35 percent by weight of the absorbent composite.

15 25. The absorbent composite of claim 24, wherein the hydrophilic particles are fibers.

26. The absorbent composite of claim 25, wherein the hydrophilic particles are particles of a cellulosic material.

20 27. The absorbent composite of claim 25, wherein the hydrophilic particles have a length of no less than 50 microns; and wherein the hydrophilic particles have a length of no more than 900 microns.

25 28. The absorbent composite of claim 25, wherein the hydrophilic particles have a length of no less than 100 microns; and wherein the hydrophilic particles have a length of no more than 300 microns.

29. The absorbent composite of claim 28, wherein at least a portion of at least one of the hydrophilic particles extends outwardly from the surface of the absorbent composite.

30 30. The absorbent composite of claim 28, wherein the hydrophilic particles are particles of a cellulosic material.

35 31. The absorbent composite of claim 24, wherein the hydrophilic particles have a diameter of no less than 5 microns; and wherein the hydrophilic particles have a diameter of no more than 75 microns.

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32. The absorbent composite of claim 31, wherein the hydrophilic particles are particles of a cellulosic material.

5 33. The absorbent composite of claim 25, wherein the hydrophilic particles have a diameter of no less than 30 microns; and wherein the hydrophilic particles have a diameter of no more than 50 microns.

10 34. The absorbent composite of claim 33, wherein the hydrophilic particles are particles of a cellulosic material.

35. The absorbent composite of claim 24, wherein the silicate particles are selected from the group consisting of precipitated silica, fumed silica, silicon dioxide, zeolites, clays, vermiculite, perlite and mixtures thereof.

15 36. The absorbent composite of claim 35, wherein the silicate particles have a diameter of no less than 100 microns; and wherein the silicate particles have a diameter of no more than 600 microns.

20 37. The absorbent composite of claim 35, wherein the silicate particles have a diameter of no less than 150 microns; and wherein the silicate particles have a diameter of no more than 450 microns.

25 38. A disposable absorbent article, the article comprising:
a fluid pervious topsheet;
a liquid impervious backsheet; and
an absorbent core disposed intermediate the topsheet and the backsheet, the absorbent core having an absorbent composite, the absorbent composite including at least one particle of a superabsorbent material covered with a coating of hydrophilic and silicate particles, the
30 absorbent composite having a Free Swell Gel Bed Permeability of at least 40×10^{-8} cm² and a Centrifuge Retention Capacity of no less than 20 g/g.

39. The disposable absorbent article of claim 38, wherein at least one region of the absorbent core comprises the absorbent composite in a concentration of no less than 40 percent by weight of the absorbent core.

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40. The disposable absorbent article of claim 38, wherein at least one region of the absorbent core comprises the absorbent composite in a concentration of no less than 50 percent by weight of the absorbent core.

5 41. The disposable absorbent article of claim 38, wherein at least one region of the absorbent core comprises the absorbent composite in a concentration of no less than 75 percent by weight of the absorbent core.

10 42. The disposable absorbent article of claim 38, wherein at least one region of the absorbent core comprises the absorbent composite in a concentration of no less than 95 percent by weight of the absorbent core.

43. The disposable absorbent article of claim 38, wherein the absorbent composite has a Gel Bed Permeability Under Load of at least $20 \times 10^{-8} \text{ cm}^2$.

15 44. The disposable absorbent article of claim 40, wherein the superabsorbent material is no less than 65 percent by weight of the absorbent composite.

20 45. The disposable absorbent article of claim 44, wherein the hydrophilic and silicate particles are no more than 35 percent by weight of the absorbent composite.

46. The disposable absorbent article of claim 45, wherein the hydrophilic particles are fibers.

25 47. The disposable absorbent article of claim 46, wherein the hydrophilic particles are particles of a cellulosic material.

30 48. The disposable absorbent article of claim 46, wherein the hydrophilic particles have a length of no less than 50 microns; and wherein the hydrophilic particles have a length of no more than 900 microns.

49. The disposable absorbent article of claim 48, wherein the hydrophilic particles have a length of no less than 100 microns; and wherein the hydrophilic particles have a length of no more than 300 microns.

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50. The disposable absorbent article of claim 49, wherein at least a portion of at least one of the hydrophilic particles extends outwardly from the surface of the absorbent composite.

5 51. The disposable absorbent article of claim 50, wherein the hydrophilic particles are particles of a cellulosic material.

10 52. The disposable absorbent article of claim 51, wherein the hydrophilic particles have a diameter of no less than 30 microns; and wherein the hydrophilic particles have a diameter of no more than 50 microns.

15 53. The disposable absorbent article of claim 45, wherein the hydrophilic particles have a diameter of no less than 5 microns; and wherein the hydrophilic particles have a diameter of no more than 75 microns.

54. The disposable absorbent article of claim 46, wherein the hydrophilic particles have a diameter of no less than 30 microns; and wherein the hydrophilic particles have a diameter of no more than 50 microns.

20 55. The disposable absorbent article of claim 54, wherein the hydrophilic particles are particles of a cellulosic material.

25 56. The disposable absorbent article of claim 45, wherein the silicate particles are selected from the group consisting of precipitated silica, fumed silica, silicon dioxide, zeolites, clays, vermiculite, perlite and mixtures thereof.

57. The disposable absorbent article of claim 56, wherein the silicate particles have a diameter of no less than 100 microns; and wherein the silicate particles have a diameter of no more than 600 microns.

30 58. The disposable absorbent article of claim 56, wherein the silicate particles have a diameter of no less than 150 microns; and wherein the silicate particles have a diameter of no more than 450 microns.

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